

STIC Search Report

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TO: Andrew D Kosar
Location: REM/3C04/3C18
Art Unit: 1654
Monday, October 18, 2004

Case Serial Number: 10/777179

From: Deirdre Arnold
Location: Biotech-Chem Library
REM 1A64
Phone: 571-272-2532

Deirdre.Arnold@uspto.gov

Search Notes

This search did not yield many hits; please review the structure queries and contact me if you would like to broaden out the search.

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Regards,
Deirdre Arnold

Search of claim 1 structure

3/3

Kosar 10/777,179

10/18/2004

=> fil zcaplus

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FILE COVERS 1907 - 18 Oct 2004 VOL 141 ISS 17
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FILE COVERS 1907 - 18 Oct 2004 VOL 141 ISS 17
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=> fil biosis

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FILE COVERS 1969 TO DATE.
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RECORDS LAST ADDED: 13 October 2004 (20041013/ED)

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=> fil jicst

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=> fil pascal

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FILE LAST UPDATED: 18 OCT 2004 <20041018/UP>
FILE COVERS 1977 TO DATE.

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FILE LAST UPDATED: 15 OCT 2004 <20041015/UP>
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=> fil confsci

FILE 'CONFSCI' ENTERED AT 09:30:53 ON 18 OCT 2004
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FILE COVERS 1973 TO 23 Sep 2004 (20040923/ED)

=> fil kosmet

FILE 'KOSMET' ENTERED AT 09:30:57 ON 18 OCT 2004
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FILE LAST UPDATED: 4 OCT 2004 <20041004/UP>
FILE COVERS 1968 TO DATE.

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LAST RELOADED: Oct 15, 2004 (20041015/UP).

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(FILE 'HCAPLUS, BIOSIS, JICST-EPLUS, PASCAL, WPIX, CONFSCI, KOSMET'
ENTERED AT 09:23:16 ON 18 OCT 2004)

=> d que l18

L6 1064 SEA HANABUSA/AU OR "HANABUSA K"/AU OR "HANABUSA KENJI"/AU
L7 19405 SEA SUZUKI/AU OR ("SUZUKI M"/AU OR "SUZUKI M F"/AU OR "SUZUKI
M G"/AU OR "SUZUKI M K"/AU OR "SUZUKI M M"/AU OR "SUZUKI M
N"/AU OR "SUZUKI M R"/AU OR "SUZUKI M S"/AU) OR "SUZUKI
MASAHIRO"/AU
L9 228747 SEA ?PERFUM? OR ?COSMET?
L10 71 SEA (L6 OR L7) AND L9
L14 754 SEA (L6 OR L7) AND GEL?
L15 39 SEA (L6 OR L7) AND (HYDROGEL? OR AEROGEL?)
L17 14 SEA (L14 OR L15) AND L10
L18 14 DUP REM L17 (0 DUPLICATES REMOVED)

=> d ibib abs 1-14

YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS, JICST-EPLUS' - CONTINUE? (Y)/N:y

L18 ANSWER 1 OF 14 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2004:781929 HCAPLUS
DOCUMENT NUMBER: 141:282448
TITLE: Topical preparations containing
cyclo(aspartylphenylalanyl) dimethylpolysiloxane or
heptamethyltrisiloxane derivatives as gelling
agents
INVENTOR(S): Yoshida, Kunihiro; Yoshida, Katsunori; Tomomasa,
Akira; Hanabusa, Kenji
PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004262859	A2	20040924	JP 2003-55603	20030303

PRIORITY APPLN. INFO.: JP 2003-55603 20030303

AB Topical prepsns., e.g. makeup cosmetics, hair prepsns., etc., contain RSiMe₂O(SiMe₂O)_nSiMe₂R [R = Q (m = 2-20); n = 7-900], Me₃SiOSiMeR₁OSiMe₂R₂ (one of R₁ and R₂ = Q and the other = Me) (I) and optionally ≥1 selected from Me₃SiO(SiMe₂O)_xSiMe₃ (x = 2-800), cyclosiloxanes II, c[SiO(R₃)(R₄)]_y (R₃, R₄ = H, C1-6 alkyl; y = 3-7), and Me₃SiO(SiMeR₅O)_zSiMe₃ (R₅ = C6-18 alkyl; z = 1, 2). Silicone oils are stably gelled using the gelling agents without restriction of compounding ingredients. Thus, I (R₁ = Me, R₂ = Q, m = 11) (III, preparation given) showed good gelling ability to dimethylpolysiloxane, decamethylcyclopentasiloxane, and alkyl-modified silicone. A lipstick containing III and polysiloxanes was formulated.

L18 ANSWER 2 OF 14 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:778901 HCAPLUS

DOCUMENT NUMBER: 141:277764

TITLE: Preparation of dimethylpolysiloxane or heptamethyltrisiloxane cyclo(aspartylphenylalanyl) derivatives as gelling agents for silicone oils

INVENTOR(S): Hanabusa, Kenji; Kato, Takashi

PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

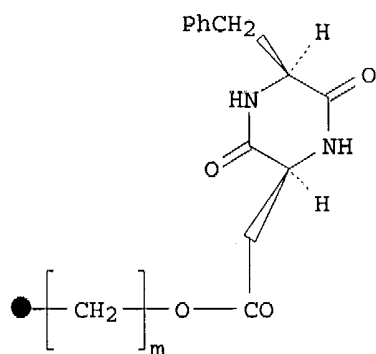
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004262858	A2	20040924	JP 2003-55602	20030303

PRIORITY APPLN. INFO.: JP 2003-55602 20030303

GI



I

AB RSiMe₂O(SiMe₂O)_nSiMe₂R [(1); R = (I) (m = 2-20); n = 7-900] and Me₃SiOSiMeR₁OSiMe₂R₂ (R₁ and R₂ = I, Me) (2) were prepared 1 And 2 gave stable **gels** of oils, especially silicone oils, without restriction of compounding ingredients and are useful for **cosmetics** and pharmaceuticals. Thus, 2 (R₁ = Me, R₂ = I, m = 11) ((3), preparation given) showed good **gelling** ability with dimethylpolysiloxane, decamethylcyclopentasiloxane, and alkyl-modified silicone.

L18 ANSWER 3 OF 14 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:781928 HCAPLUS

DOCUMENT NUMBER: 141:282447

TITLE: Topical preparations containing N-acylisoleucinamide heptamethyltrisiloxane derivatives as **gelling** agents

INVENTOR(S): Yoshida, Kunihiro; Yoshida, Katsunori; Tomomasa, Akira; **Hanabusa, Kenji**

PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004262857	A2	20040924	JP 2003-55601	20030303
PRIORITY APPLN. INFO.:			JP 2003-55601	20030303

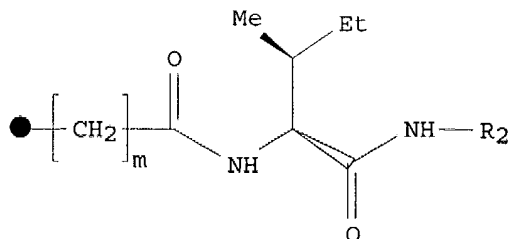
AB Topical preps., e.g. makeup **cosmetics**, hair preps., etc., contain Me₃SiOSiMe₂OSiMe₂R₁ (R₁ = Q; R₂ = C₄-30 alkyl; m = 2-20) (I) or Me₃SiOSiMeR₁OSiMe₃ (R₁ = Q) and optionally ≥1 selected from Me₃SiO(SiMe₂O)_xSiMe₃ (x = 2-800), cyclosiloxanes II, c[SiO(R₃)(R₄)]_y (R₃, R₄ = H, C₁-6 alkyl; y = 3-7), and Me₃SiO(SiMeR₅O)_zSiMe₃ (R₅ = C₆-18 alkyl; z = 1, 2). Silicone oils are stably **gelled** using the **gelling** agents without restriction of compounding ingredients. Thus, I (R₂ = C₁₈H₃₇, m = 4) (III, preparation given) showed good **gelling** ability to dimethylpolysiloxane, decamethylcyclopentasiloxane, and alkyl-modified silicone. A lipstick containing III and polysiloxanes was formulated.

L18 ANSWER 4 OF 14 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:778900 HCAPLUS

DOCUMENT NUMBER: 141:277763
 TITLE: Preparation of N-acylisoleucinamideheptamethyltrisiloxane derivatives as **gelling** agents for silicone oils
 INVENTOR(S): Hanabusa, Kenji; Kato, Takashi
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004262856	A2	20040924	JP 2003-55600	20030303
PRIORITY APPLN. INFO.: GI			JP 2003-55600	20030303



I

AB Me3SiOSiMeROSiMe2R2 ((1); where R and R1 = (I), Me; R2 = C4-30 alkyl; m = 2-20) were prepared 1 Gave stable **gels** of oils, especially silicone oils, without restriction of compounding ingredients and are useful for preparation of **cosmetics** and pharmaceuticals. Thus, 1 (R = Me, R1 = I, R2 = C18H37, m = 4) ((2), preparation given) showed good **gelling** ability to dimethylpolysiloxane, decamethylcyclopentasiloxane, and alkyl-modified silicone. A lipstick containing 2 and polysiloxanes was formulated.

L18 ANSWER 5 OF 14 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:529760 HCAPLUS
 DOCUMENT NUMBER: 141:72377
 TITLE: Valinamide-terminated polysiloxanes as **gelling** agents for **cosmetics** and pharmaceuticals
 INVENTOR(S): Hanabusa, Kenji
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2004182697 A2 20040702 JP 2002-354443 20021205
PRIORITY APPLN. INFO.: JP 2002-354443 20021205
OTHER SOURCE(S): MARPAT 141:72377
AB R1SiMe2O(SiMe2O)nSiMe2R1 [I; R1 = CH2(CH2)mCONHCH(CHMe2)CONHR2-(S); R2 = C4-30 alkyl; m = 1-20; n = 4-900], useful for **gelation** of silicone oils, are claimed. Thus, hydrosilylation of N-4-pentenoyl-L-valylaminooctadecane (preparation given) with H-terminated di-Me polysiloxane gave I (R2 = octadecyl, m = 3, n = 80), which was added to di-Me polysiloxane, decamethylcyclopentasiloxane, and alkyl-modified silicone to show excellent **gelation**.

L18 ANSWER 6 OF 14 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2004:533150 HCAPLUS
DOCUMENT NUMBER: 141:76402
TITLE: Valinamide-terminated polysiloxanes as **gelling** agents for **cosmetics**
INVENTOR(S): Yoshida, Kunihiro; Kaneda, Isamu; Hanabusa, Kenji
PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 22 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004182696	A2	20040702	JP 2002-354442	20021205

PRIORITY APPLN. INFO.: JP 2002-354442 20021205
AB Siloxanes, R1SiMe2O(SiMe2O)nSiMe2R1 [I; R1 = CH2(CH2)mCONHCH(CHMe2)CONHR2-(S); R2 = C4-30 alkyl; m = 1-20; n = 4-900], useful for **gelation** of silicone oils in formulating **cosmetics** and hair preps., are claimed. Thus, hydrosilylation of N-4-pentenoyl-L-valylaminooctadecane with H-terminated di-Me polysiloxane gave I (R2 = octadecyl, m = 3, n = 80), which was added to di-Me polysiloxane, decamethylcyclopentasiloxane, and alkyl-modified silicone to show excellent **gelation**. Also, a cream was prepared containing the above product 1, dimethylpolysiloxane 4, decamethylcyclopentasiloxane 20, trimethylsiloxysilicic acid 3, polyoxyethylene-methylpolysiloxane copolymer 3, dipropylene glycol 3, cetyl 2-ethylhexanoate 1, silicone-coated zinc oxide particles 10, talc 1, silicone-coated titania particles 7, paraben q.s., phenoxyethanol q.s., trisodium edetate 1, poly(Me methacrylate) powder 3, **perfumes** q.s., and distilled water balance to 100 %.

L18 ANSWER 7 OF 14 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2004:529759 HCAPLUS
DOCUMENT NUMBER: 141:94003
TITLE: Isoleucine siloxane derivatives and their use for thickening and **gelling** agents
INVENTOR(S): Tomomasa, Akira; Yoshida, Mari; Kato, Takashi; Mizushita, Michio; Suzuki, Yuki; Hanabusa, Kenji
PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2004182695	A2	20040702	JP 2002-354437	20021205
PRIORITY APPLN. INFO.:			JP 2002-354437	20021205

AB Isoleucine siloxane derivs. $\text{PhCH}_2\text{OCONHCH}(\text{CHMeEt})\text{CONHR}(\text{SiMe}_2\text{O})_n\text{SiMe}_3$ [I; R = C6-22 alkylene, alkenylene; n (average d.p. of dimethylsiloxo groups) = 0-5] are useful for thickening and **gelling** agents, especially, for **gelling** of silicone oils for **cosmetics**, etc. Reaction of N-benzyloxycarbonyl-L-isoleucine with 8-(1,1,3,3,3-pentamethyldisiloxy)octylamine (preparation given) in CH_2Cl_2 in the presence of 4-dimethylaminopyridine and 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide-HCl to give I [R = $(\text{CH}_2)_8$, n = 1] (II). II was added to decamethylcyclopentasiloxane (silicone oil) to form a transparent **gel** having a cream-like texture at the min. **gelling** concentration of 4.0 g II/L.

L18 ANSWER 8 OF 14 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:529758 HCAPLUS
DOCUMENT NUMBER: 141:94002
TITLE: **Cosmetics** containing silicone derivatives as **gelation** agents for silicone oils
INVENTOR(S): Tomomasa, Akira; Yoshida, Mari; Kato, Takashi; Mizoshita, Norihiro; Suzuki, Yuki; **Hanabusa, Kenji**
PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 27 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2004182694	A2	20040702	JP 2002-354436	20021205
PRIORITY APPLN. INFO.:			JP 2002-354436	20021205

OTHER SOURCE(S): MARPAT 141:94002
AB Silicone derivs. containing amide group, ureide group, or TMS-terminated dimethylpolysiloxane group, stabilize silicone oils in **cosmetic** compns. For example, (1R,2R)-(-)-1,2-diaminocyclohexane was treated with 11-(1,1,3,3,3-pentamethyldisiloxy)undecanoic acid in CH_2Cl_2 in the presence of EDC to give an amide group-containing siloxane. The product was effective in **gelation** of dimethylpolysiloxane, decamethylcyclopentasiloxane, and heptamethyloctyltrisiloxane.

L18 ANSWER 9 OF 14 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:529757 HCAPLUS
DOCUMENT NUMBER: 141:94001
TITLE: Silicone derivatives as **gelation** agents for silicone oils in **cosmetics**
INVENTOR(S): Tomomasa, Akira; Yoshida, Mari; Kato, Takashi; Mizoshita, Tomohiro; Suzuki, Yuki; **Hanabusa, Kenji**
PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004182693	A2	20040702	JP 2002-354435	20021205
PRIORITY APPLN. INFO.:			JP 2002-354435	20021205

AB Polysiloxanes containing cyclohexanediamine group or isoleucine group, stabilize silicone oils in **cosmetic** compns. For example, (1R,2R)-(-)-1,2-diaminocyclohexane was treated with 11-(1,1,3,3,3-pentamethyldisiloxy)undecanoic acid in CH₂Cl₂ in the presence of EDC to give a product, which was effective in **gelation** of dimethylpolysiloxane, decamethylcyclopentasiloxane, and heptamethyloctyltrisiloxane.

L18 ANSWER 10 OF 14 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:529756 HCAPLUS

DOCUMENT NUMBER: 141:94000

TITLE: Cyclohexanediamine siloxane derivatives and their use for thickening and **gelling** agents

INVENTOR(S): Tomomasa, Akira; Yoshida, Mari; Kato, Takashi; Mizoshita, Tomohiro; Suzuki, Yuki; **Hanabusa, Kenji**

PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

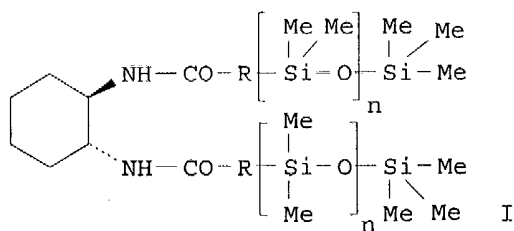
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004182692	A2	20040702	JP 2002-354434	20021205
PRIORITY APPLN. INFO.:			JP 2002-354434	20021205
OTHER SOURCE(S):		MARPAT 141:94000		

GI



AB Cyclohexanediamine siloxane derivs. I [R = C₆-22 alkylene, alkenylene; n (average d.p. of dimethylsiloxy groups) = 0-5] are useful for thickening and **gelling** agents, especially, for **gelling** of silicone oils for **cosmetics**, etc. Reaction of (1R,2R)-(-)-1,2-diaminocyclohexane with 11-[1,1,3,3,3-pentamethyldisiloxy]undecanoic acid (preparation given) in CH₂Cl₂ in the presence of 4-dimethylaminopyridine and 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide-HCl to give I [R = (CH₂)₁₀, n = 1] (II). II was added to decamethylcyclopentasiloxane (silicone oil) to form a transparent **gel** having a cream-like texture at the min. **gelling** concentration of 3.1 g II/L.

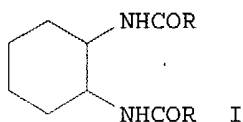
L18 ANSWER 11 OF 14 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:599614 HCAPLUS
DOCUMENT NUMBER: 129:280761
TITLE: Cyclodipeptides as **gelation** agents
INVENTOR(S): **Hanabusa, Kenji**; Matsumoto, Mitsuyoshi;
Shirai, Hiroyoshi; Iyanagi, Koichi
PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10245315	A2	19980914	JP 1997-67217	19970305
PRIORITY APPLN. INFO.:			JP 1997-67217	19970305
OTHER SOURCE(S):	MARPAT 129:280761			

AB Cyclodipeptides are used for **gelation** of oils and liqs. in **cosmetics**, pharmaceuticals, and food areas. The cyclodipeptides are stable at .apprx.40° and easy to use at 5-10°. A foundation contained glyceryl tri(isooctanoate) 10, jojoba oil 10, dimethicone 10, carnauba wax 10, cyclo(phenylalanylleucine) 1, mica 19, talc 10, titania 10, yellow iron oxide 5, red iron oxide 2, and nylon powder 13 parts.

L18 ANSWER 12 OF 14 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:586300 HCAPLUS
DOCUMENT NUMBER: 129:280780
TITLE: Stabilizing compositions containing
1,2-bis(acylamino)cyclohexanes for food,
cosmetics, pharmaceuticals, etc.
INVENTOR(S): **Hanabusa, Kenji**; Yamada, Manabu; Shirai,
Hiroyoshi; Iyanagi, Koichi
PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10237034	A2	19980908	JP 1997-55609	19970224
PRIORITY APPLN. INFO.:			JP 1997-55609	19970224
OTHER SOURCE(S):	MARPAT 129:280780			
GI				



AB Compns. containing the title compds. I (R = linear or branched alkyl, alkenyl, which may contain cyclic structure) are useful as stabilizing agents for

oil-containing food, **cosmetics**, and pharmaceuticals because of their **gelling** property to liquid paraffin, squalane, dimethicone, etc. Addition of cis-I (R = stearyl) (preparation given) to a foundation improved quality (spreadability over skin, etc.) at 5°.

L18 ANSWER 13 OF 14 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:579868 HCAPLUS
DOCUMENT NUMBER: 129:249977
TITLE: Tris-[(N-alkylamino)carbonyl]benzenes as **gelling agents**
INVENTOR(S): **Hanabusa, Kenji**; Kofuji, Chiemi; Shirai, Hiroyoshi; Iyanagi, Koichi
PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10231465	A2	19980902	JP 1997-49830	19970218
PRIORITY APPLN. INFO.:			JP 1997-49830	19970218
OTHER SOURCE(S):	MARPAT 129:249977			

AB The title compds. which are stable at .apprx.40° and easy to apply at 5-10° are used in compns. for **cosmetics**, drugs, and foods for **gelation** and to increase the viscosity of liqs. and oils. 1,3,5-Tris-[(N-stearyl amino)carbonyl]benzene was used in formulating a foundation, which was stable during storage for 3 mo at 40° and applied well on the skin at 5°.

L18 ANSWER 14 OF 14 JICST-EPlus COPYRIGHT 2004 JST on STN

ACCESSION NUMBER: 1040466293 JICST-EPlus
TITLE: Development and application of low-molecular **gelatinizers** corresponding to various needs.
AUTHOR: **HANABUSA KENJI**
CORPORATE SOURCE: Shinshu Univ., Graduate School, JPN
SOURCE: Mirai Zairyo (Expected Materials for the Future), (2004) vol. 4, no. 6, pp. 8-15. Journal Code: L4328A (Fig. 7, Tbl. 5, Ref. 14)
ISSN: 1346-0986
PUB. COUNTRY: Japan
DOCUMENT TYPE: Journal; Commentary
LANGUAGE: Japanese
STATUS: New

AB When a low molecular weight compound is dissolved by heating and the solution is cooled down, though it is quite rare, but in some case, a physically soft **gel** is formed during the radiative cooling process. A low molecular weight compound which can turn solvent into **gel** by the formation of physical **gel** is called **gelatinizer**. The **gelation** by low molecular weight compound progresses as follows: through self-associating by noncovalent bonds like hydrogen bond, the molecule forms fibrous associations and finally incorporates solvent molecules into the three-dimensional network structure. It can make **gel** by an addition of several % and possesses the features of forming a heat reversible **gel**; low-molecular **gelatinizers** have various needs such as **cosmetic**, medical and coating materials.

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STRUCTURE FILE UPDATES: 17 OCT 2004 HIGHEST RN 764629-70-1
DICTIONARY FILE UPDATES: 17 OCT 2004 HIGHEST RN 764629-70-1

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> fil marpat

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FILE CONTENT: 1988-PRESENT (VOL 141 ISS 16) (20041015/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 6777535 17 AUG 2004
DE 10305225 19 AUG 2004
EP 1450004 25 AUG 2004
JP 2004228467 12 AUG 2004
WO 2004073375 02 SEP 2004

Structure search limits have been raised. See HELP SLIMIT for the new,
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=> file stnguide

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FILE CONTAINS CURRENT INFORMATION.

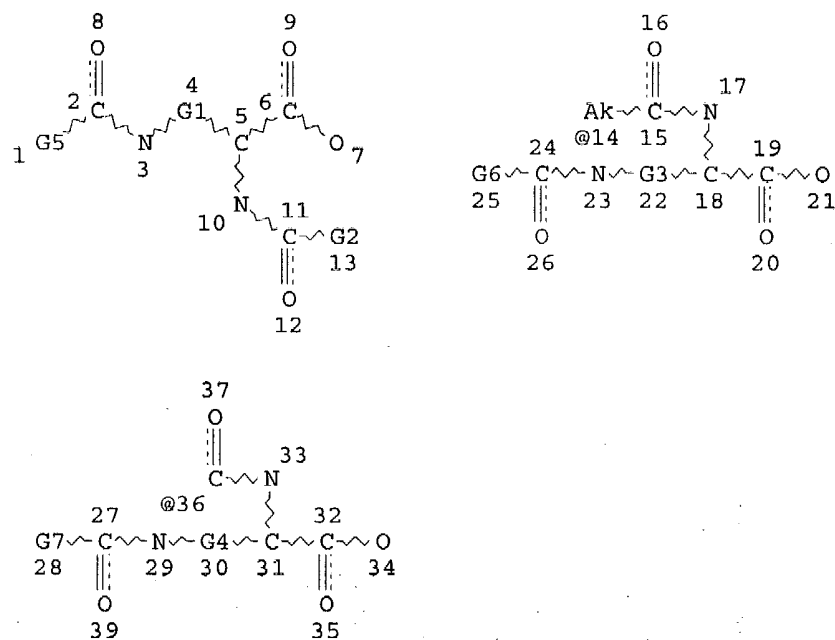
LAST RELOADED: Oct 15, 2004 (20041015/UP).

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=> d que 15

L1 STR



REP G1=(1-6) C

VAR G2=14/36

REP G3=(1-6) C

REP G4=(1-6) C

VAR G5=CB/AK

VAR G6=CB/AK

VAR G7=CB/AK

NODE ATTRIBUTES:

NSPEC IS RC AT 7

NSPEC IS RC AT 21

NSPEC IS RC AT 34

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

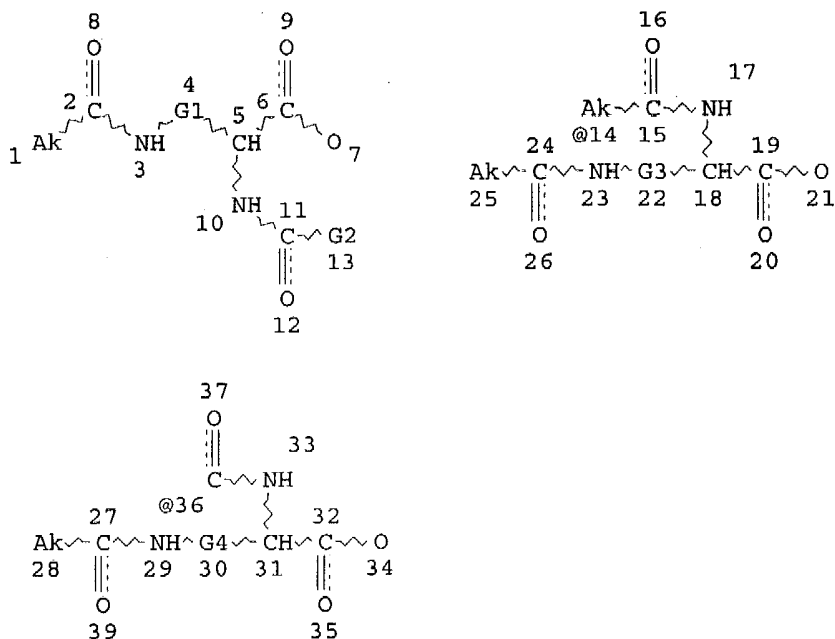
GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 38

STEREO ATTRIBUTES: NONE

L2 STR



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 VAR G2=14/36
 REP G3=(2-4) CH2
 REP G4=(2-4) CH2
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 38

STEREO ATTRIBUTES: NONE

L3 (188) SEA FILE=MARPAT SSS FUL L1
 L4 150 SEA FILE=MARPAT SUB=L3 SSS FUL L2
 L5 1 SEA FILE=MARPAT ABB=ON PLU=ON L4/COMPLETE

=> d ibib abs hit

YOU HAVE REQUESTED DATA FROM FILE 'MARPAT' - CONTINUE? (Y)/N:y

L5 ANSWER 1 OF 1 MARPAT COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

136:247832 MARPAT

TITLE:

Preparation of sialic acid dendrimers as multivalent
 neuraminidase inhibitors and anti-influenza agents

INVENTOR(S):

Wu, Wen-Yang; Dowle, Michael Dennis; Jin, Betty;
 Macdonald, Simon John Fawcett; Mason, Andrew
 McMurtrie; McConnell, Darryl; Watson, Keith

PATENT ASSIGNEE(S):

Biota Scientific Management Pty. Ltd., Australia

SOURCE:

PCT Int. Appl., 85 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002020514	A1	20020314	WO 2001-AU1128	20010907
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001085601	A5	20020322	AU 2001-85601	20010907
EP 1315719	A1	20030604	EP 2001-964755	20010907
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001013755	A	20030708	BR 2001-13755	20010907
JP 2004507564	T2	20040311	JP 2002-525135	20010907
US 2004058853	A1	20040325	US 2003-363988	20031014
PRIORITY APPLN. INFO.:			AU 2000-10	20000908
			WO 2001-AU1128	20010907

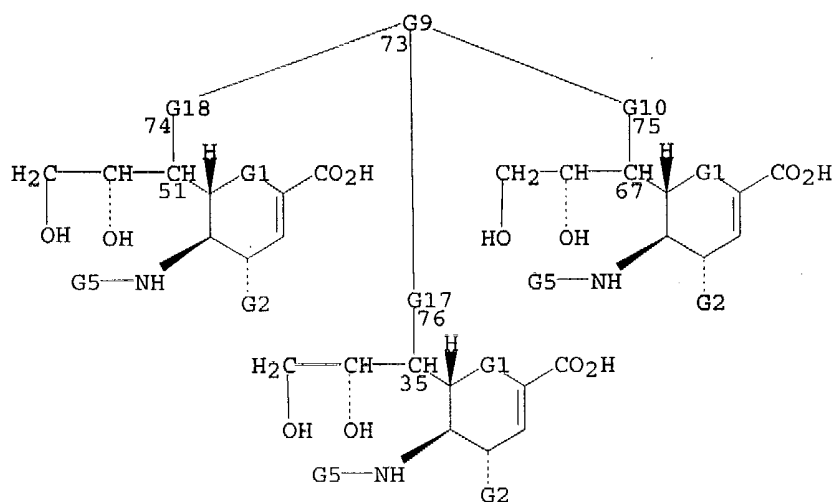
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

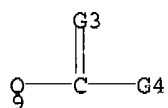
AB The invention relates to a dendrimer compds. I in which : X is O or CH; R2 is azido, hydroxy, guanidino, amino, amidine, imidate; R2 is acyl or sulfonyl; Y is O, substituted amine; CG is a core group selected from an optionally substituted cyclic, straight or branched group or a combination thereof having from 1 to 200 atoms in its backbone, in which the backbone atoms are selected from C, N, O and S; and L is a linking group of from 0 to 20 backbone atoms, in which the backbone and terminal atoms are selected from C, N, O and S; or a pharmaceutically acceptable salt or derivative thereof which comprises three or more neuraminidase-binding groups attached to a spacer or linking group, in which the neuraminidase-binding group is a compound which binds to the active site of influenza virus neuraminidase, but is not cleaved by the neuraminidase. The invention also relates to processes for the preparation of the multimeric compound defined above, pharmaceutical compns. containing them or methods for the treatment and/or prophylaxis of a viral infection involving them. Thus, dendrimer II.3CF3CO2H salt [R1 = guanidino, R2 = acetyl, Y = O, L = CON(CH2)6] was prepared and tested in mice as neuraminidase inhibitor and anti-influenza agent (dose = 0.01-1 mg/kg).

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

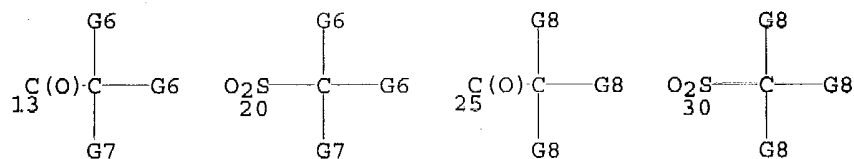
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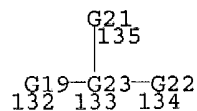
G1 = O / CH₂
 G2 = N3 / OH / NHC(NH)NH₂ (SO) / NH₂ (SO) /
 C(NH)NH₂ (SO) / 9



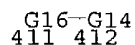
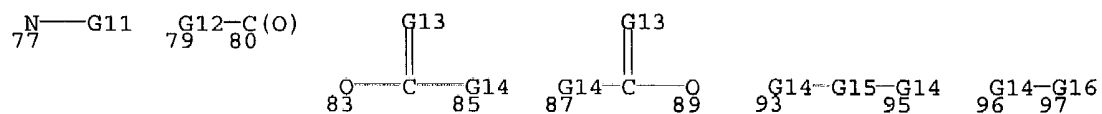
G3 = NH (SO)
 G4 = H / R
 G5 = 13 / 25 / 20 / 30



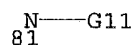
G6 = H / F / Cl / Br / I / alkyl<(1-6)>
 G7 = H / F / Cl / Br / I
 G8 = alkyl<(1-6)>
 G9 = R<TX "optionally substituted core group"> /
 (SC 132-74 135-76 134-75)



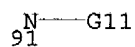
G10 = O / 79-73 80-67 / NH / 77 / 83-73 85-67 /
 87-73 89-67 / 93-73 95-67 / 96-73 97-67 / 411-73 412-67



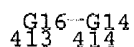
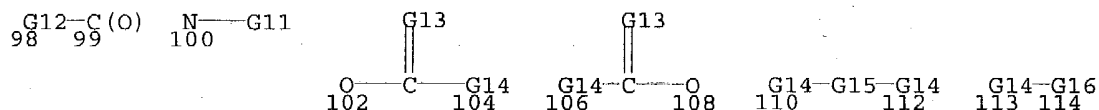
G11 = alkyl<(1-6)>
 G12 = O / NH / 81



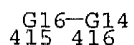
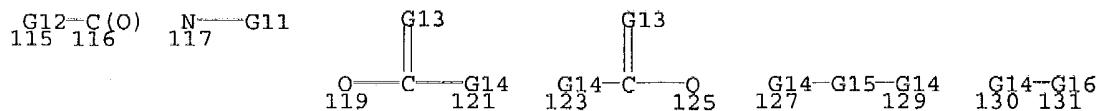
G13 = O / S
 G14 = NH / 91



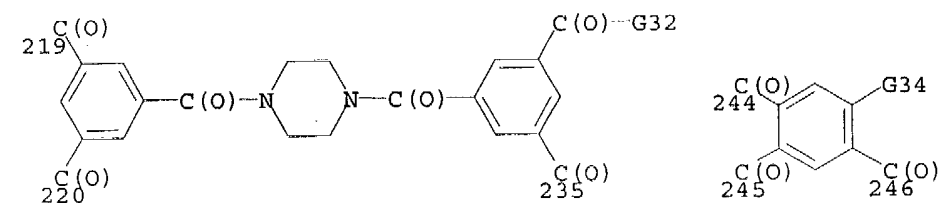
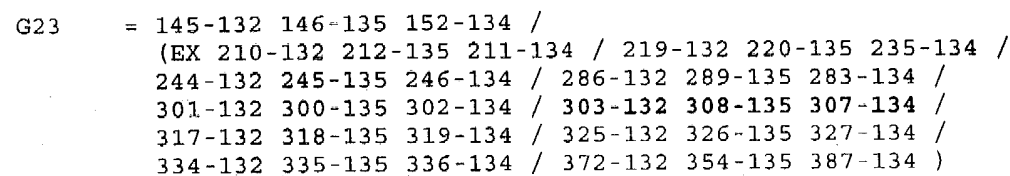
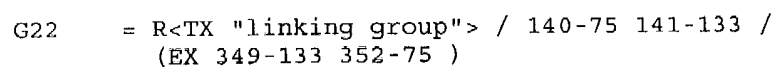
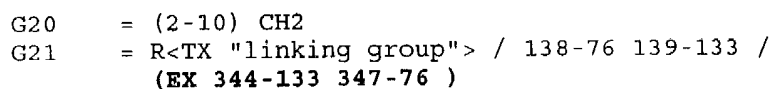
G15 = C(O) / C(S) / S(O) / SO2
 G16 = S(O) / SO2
 G17 = O / 98-73 99-35 / NH / 100 / 102-73 104-35 /
 106-73 108-35 / 110-73 112-35 / 113-73 114-35 / 413-73 414-35

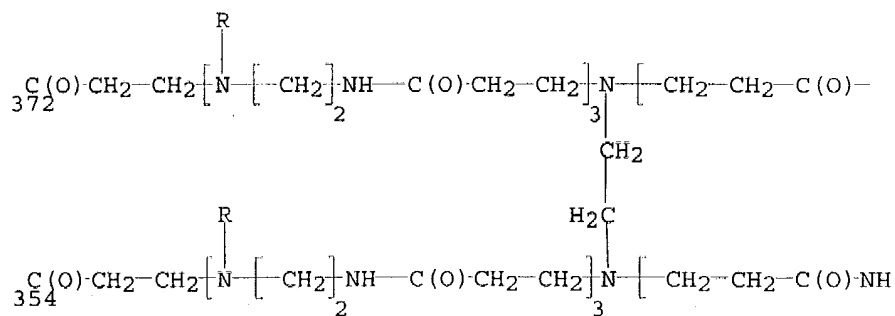
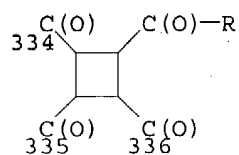
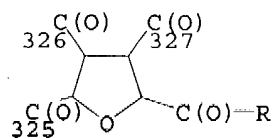
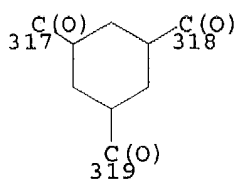
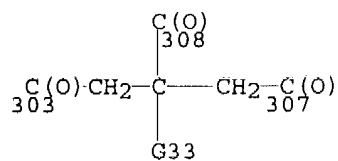
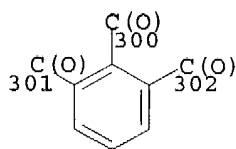


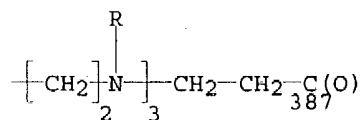
G18 = O / 115-73 116-51 / NH / 117 / 119-73 121-51 /
 123-73 125-51 / 127-73 129-51 / 130-73 131-51 / 415-73 416-51



G19 = R<TX "linking group"> / 136-74 137-133 /
 (EX 339-133 342-74)



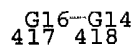
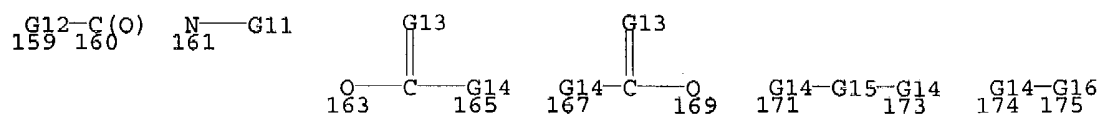



$$\begin{array}{ccccccc}
 \begin{array}{c} \text{G27-G28} \\ 154 \quad 155 \end{array} & \begin{array}{c} \text{G12-CHO} \\ 398 \end{array} & & \begin{array}{c} \text{G13} \\ \parallel \\ \text{O}-\text{C}-\text{G30} \\ 400 \end{array} & \begin{array}{c} \text{G14-G15-G30} \\ 404 \end{array} & \begin{array}{c} \text{G14-G31-OH} \\ 407 \end{array} & \begin{array}{c} \text{G16-G30} \\ 419 \end{array}
 \end{array}$$

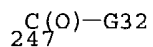
HN—G20
157 158⁰

G14-G31-OH G16-G30
201 421

G29 = 0 / 159-154 160-186 / NH / 161 / 163-154 165-186 /
167-154 169-186 / 171-154 173-186 / 174-154 175-186 /
417-154 418-186



G30 = NH₂ / alkylamino<(1-6)>
 G31 = S / S(O)
 G32 = R / OH
 G33 = H / OH
 G34 = 247 / H



MPL: claim 6
 NTE: or pharmaceutically acceptable derivatives
 NTE: substitution is restricted
 STE: and/or isomers

=>